

**DATE:** December 5, 2008

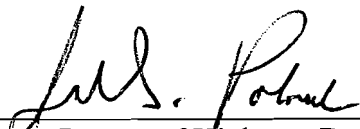
**TO:** Kirk T. Steudle  
Director

**FROM:** John S. Polasek  
Director, Bureau of Highway Development

**SUBJECT:** Local Bridge Program Report

As is required by section 247.660 of Act 51 of 1951, attached is a report of the Local Bridge Program. Information is provided relating to activities that occurred during the last quarter of 2007 through November 2008. Required information includes a listing of the funding dedicated for emergency and large bridge repair, a listing of emergency and large bridge repair projects funded, the actual weights used for the ratios in subsection (7), the total money distributed to each region, and a listing of specific projects funded pursuant to subsection (8). Attachment 1 is included for all referenced subsections of Public Act 51 of 1951.

If you have any questions concerning this report or the activities of the Local Bridge Program, please contact me or Mark Van Port Fleet, Engineer of Design, at 373-0030.

  
\_\_\_\_\_  
Director, Bureau of Highway Development

Attachment

cc: L. Tibbits  
M. Van Port Fleet  
R. Cadena  
M. Harrison  
M. Bouvy





JENNIFER M. GRANHOLM  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF TRANSPORTATION  
LANSING

KIRK T. STEUDLE  
DIRECTOR

December 5, 2008

The Honorable Ron Jelinek, Chair  
Senate Appropriations Committee  
Michigan State Senate  
P.O. Box 30036  
Lansing, Michigan 48909

The Honorable Michael Switalski, Minority Vice Chair  
Senate Appropriations Committee  
Michigan State Senate  
P.O. Box 30036  
Lansing, Michigan 48909

The Honorable George Cushingberry, Chair  
House Appropriations Committee  
Michigan House of Representatives  
P.O. Box 30014  
Lansing, Michigan 48909

The Honorable Daniel Acciavatti, Minority Vice Chair  
House Appropriations Committee  
Michigan House of Representatives  
P.O. Box 30014  
Lansing, Michigan 48909

Dear Senator Jelinek, Senator Switalski, Representative Cushingberry, Representative Acciavatti:

Pursuant to section 247.660 of Public Act 51 of 1951, an annual report on the Local Bridge Program is due to the Legislature in January of each year.

Information is provided relating to activities that occurred during the last quarter of 2007 through November 2008. Required information includes a listing of the funding dedicated for emergency and large bridge repair, a listing of emergency and large bridge repair projects funded, the actual weights used for the ratios in subsection (7), the total funds distributed to each region, and a listing of specific projects funded pursuant to subsection (8). Attachment 1 is included for all referenced subsections.

If you have any questions concerning this report or the activities of the Local Bridge Program, please contact John S. Polasek, Director of the Bureau of Highway Development. Mr. Polasek can be reached at 517-241-3998.

Sincerely,

Kirk T. Steudle  
Director

Enclosures  
BOH-DEV/D/MH/vs

cc: R. DeCook, J. Shinn, V. Blaxton, L. Tibbits, J. Polasek, M. Van Port Fleet, R. Cadena,  
M. Harrison, M. Bouvy



Michigan Department of Transportation (MDOT)  
December 5, 2008

Local Bridge Program Report

This report covers the 2008 fiscal year through November 2008. The seven Region Bridge Councils (RBCs) reviewed and rated applications submitted for fiscal year 2010 in October 2007 and for the 2011 fiscal year in October 2008. The Local Bridge Advisory Board (LBAB) met in November of 2007 and 2008 to approve the RBCs' selections. The RBCs selected 74 bridge projects for fiscal year 2010 and 43 bridge projects for fiscal year 2011. Two projects were pushed to fiscal year 2012 to fully fund two "large" bridge projects in fiscal year 2011. Attachment A lists the projects selected in each fiscal year.

The funding allocated to the Local Bridge Program is not known at the time selections are made by the RBCs; the projects are selected at least two years in advance of being let to contract. For fiscal year 2008, the projects were selected using assumed values of \$30.0 million in state local bridge funds and \$15.1 million in federal bridge funds. At the end of the fiscal year, the actual funding obligation level was determined to be \$29.62 million in state local bridge funds and \$15.81 million in federal bridge funds. Attachment B shows both the anticipated and actual allocations of funding to the regions for fiscal year 2008.

In addition to the state local bridge funds and the allocation of federal bridge funds, the program was able to tap into unused federal obligation authority within other areas of MDOT's Local Agency Program. This allowed the Local Bridge Program to use \$4.81 million of federal off-system carryover balance. Because these federal funds were not required to be allocated to the regions by the formulas set up for state local bridge funds, it was requested from the LBAB that these additional funds be applied to four regions. These regions had a number of projects where the low bid amounts exceeded the application estimates which greatly affected the number of projects that could be selected for the 2011 fiscal year. The LBAB approved the distribution of these additional federal funds.

In October 2008, the planning area within MDOT supplied updated projections of state local bridge funds and federal bridge funds to be allocated to the bridge program during fiscal years 2009, 2010, and 2011. The projections for fiscal years 2009 and 2010 are approximately \$2.72 million less than when the projects for the same fiscal years were selected. In order to keep the program fiscally constrained, this reduction in projected funding had to reduce the number of projects that could be selected for the 2011 fiscal year.

Subsection (6) of the statute requires that no less than five percent (5%) and no more than fifteen percent (15%) of the state funds received be used for critical repair of large bridges and emergencies. The LBAB defined a "large" bridge to be one that has an estimated repair/reconstruction cost exceeding fifty percent (50%) of a region's yearly allocation but not less than \$1.0 million. For fiscal year 2008, the LBAB set aside \$4.54 million toward these structures. There were two projects scheduled for fiscal year 2008. The 35<sup>th</sup> Street project in Kalamazoo County was let to contract in February 2008.

The Bridgeview Road project in Macomb County was obligated in November 2008 for a January 2009 letting.

During the 2008 calendar year, a call for applications was sent out in February for projects to be constructed in fiscal year 2011; the selected projects made up the third year of the three year bridge plan for fiscal years 2009, 2010, and 2011. Of the 255 applications received, five met the definition of a “large” bridge with an aggregate estimated cost of \$13.6 million. The LBAB decided to apply 15 percent (15%) of the state local bridge funds and allocated federal bridge funds toward these structures: \$7.0 million toward construction costs. Attachment C lists all large bridges selected for funding broken down by fiscal year.

The remaining anticipated funding of \$37.64 million was used for selected projects in the regions. A percentage of this amount was used for each region’s selection of projects based on the weighted ratios required in subsection (7). The weights used, the percentage of funding applied, and the funding amount allocated to each region, are shown in Attachment D. Attachment E shows a breakdown per region. The LBAB used a 30 percent (30%) weighting for both the number of bridges factor and the total bridge deck area factor, and a 40 percent (40%) weighting for the structurally deficient deck area factor.

The legislation that created the Local Bridge Fund increased the funding for locally owned structures in Michigan. Under the previous program, Critical Bridge, approximately \$22 million was allocated annually to locally owned bridges. That number is now closer to \$44 million. Even with the additional funding, the condition of the locally owned bridges is deteriorating faster than they can be repaired and replaced. A comparison of data between 2005 and 2008 is shown below with the percentage of change.

	<u>2005</u>	<u>2008</u>	<u>% Change</u>
Number of Locally Owned Bridges	6383	6484	+1.6%
Locally Owned Bridge Deck Area (sft)	16,252,459	16,519,725	+1.6%
Structurally Deficient Deck Area (sft)	1,920,746	2,212,989	+15.2%

It is important to note that the number of bridges has increased because local agencies are determining that additional structures meet the definition of a bridge. This is evident in the fact that the change in the number of bridges and the locally owned deck area have increased by the same percentage. The percentage of structurally deficient deck area has increased significantly. The local bridge system is aged, deteriorating rapidly, and needs additional funding if the condition is to be improved.

**Reference Subsections of PA 51 of 1951**

“6) Beginning October 1, 2005, no less than 5% and no more than 15% of the funds received in the local bridge fund may be used for critical repair of large bridges and emergencies as determined by the local bridge advisory board. Beginning October 1, 2005, funds remaining after the funds allocated for critical large bridge repair and emergencies are deducted shall be distributed by the board to the regional bridge councils created under this section. One regional council shall be formed for each department of transportation region as those regions exist of October 1, 2004. The regional councils shall consist of 2 members of the county road association of Michigan from counties in the region, 2 members of the Michigan municipal league from cities and villages in the region, and 1 member of the state transportation department in each region. The members of the state transportation shall be nonvoting members who shall provide qualified administrative staff and qualified technical assistance to the regional councils.”

“7) Beginning October 1, 2005, funds in the local bridge fund after deduction of the amounts set aside for repair of large bridges and emergency repairs shall be distributed among the regional bridge councils according to all of the following ratios, which shall be assigned a weight expressed as a percentage as determined by the board, with each ration receiving no greater than a 50% weight and no less than a 25% weight:

(a) A ratio with a numerator that is the total number of local bridges in the region and a denominator that is the total number of local bridges in this state.

(b) A ratio with the numerator that is the total local bridge deck area in the region and a denominator that is the total local bridge deck are in this state.

(c) A ratio with a numerator that is the total amount of structurally deficient local bridge deck area in the region and a denominator that is the total amount of structurally deficient local bridge deck area in this state.”

“9) Beginning January 1, 2007 and each January after 2007, the department shall submit a report to the chair and the minority vice-chair of the appropriations committees of the senate and the house of representatives, and to the standing committees on transportation of the senate and the house of representatives, on all of the following activities for the previous state fiscal year:

(a) A listing of how much money was dedicated for emergency and large bridge repair.

(b) A listing of what emergency and large bridge repair projects were funded.

(c) The actual weights used in the calculation required under subsection (7).

(d) A listing of the total money distributed to each region.

(e) A listing of what specific projects were funded pursuant to subsection (8).”

**Bay Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
1	445	B01-06-02-12	Bay	Arenac County	Arenac State Road	Rifle River	102357	2010	no	Off	Rehab	\$467,550
2	444	B01-06-10-13	Bay	Arenac County	Arenac State Road	Pine River	102356	2010	no	On	Rehab	\$298,250
3	2718	B01-25-03-24	Bay	Burton, City of	Atherton Road	Thread River	102517	2010	no	On	Rehab	\$334,554
4	2713	B01-25-03-30	Bay	Burton, City of	Maple Avenue	Thread River	102516	2010	no	On	Replace	\$730,000
5	1778	B01-18-16-15	Bay	Clare County	Kirby Avenue	W. Br. Clam River	102511	2010	no	Off	Replace	\$440,000
6	1738	B01-18-06-02	Bay	Clare County	Beaver Road	S. Br Tobacco River	102385	2010	no	Off	Replace	\$560,000
7	2734	B01-25-01-21	Bay	Genesee County	Duffield Road	Shiawassee River	102518	2010	no	On	Rehab	\$340,000
8	2760	B01-25-01-13	Bay	Genesee County	Lovejoy Road	S. Br. Shiawassee River	102519	2010	no	Off	Replace	\$530,000
9	3147	B01-29-06-04	Bay	Gratiot County	Washington Road	Shad Creek Drain Ext.	102521	2010	no	On	Rehab	\$300,000
10	13288	B01-29-16-21	Bay	Gratiot County	Baldwin Road	Bear Creek	102523	2010	no	Off	Replace	\$500,000
11	3168	B01-29-12-20	Bay	Gratiot County	Baldwin Road	Bad River	102522	2010	no	Off	Replace	\$450,000
12	3592	B02-32-10-24	Bay	Huron County	Rescue Road	E. Br. Pigeon River	102524	2010	no	Off	Replace	\$365,000
13	3596	B01-32-10-23	Bay	Huron County	Maxwell Road	Pigeon River	102526	2010	no	Off	Replace	\$580,000
14	4299	B03-37-11-12	Bay	Isabella County	Woodruff Road	Coldwater River	102531	2010	no	On	Replace	\$715,400
15	4315	B01-37-16-12	Bay	Isabella County	Loomis Road	Loomis Drain	102532	2010	no	Off	Replace	\$528,200
16	6970	B01-56-04-05	Bay	Midland County	Homer Road	Carroll Creek	102609	2010	no	Off	Replace	\$800,000
17	12729	B02-56-08-15	Bay	Midland County	7 Mile Road	Carroll Creek	102611	2010	no	Off	Replace	\$375,000
18	9232	B01-73-26-20	Bay	Saginaw County	Freeland Road	Tittabawassee River	102643	2010	no	On	Rehab	\$612,000
19	10669	B02-79-23-10	Bay	Tuscola County	Old State Road	Northwest Drain Outlet	102682	2010	no	Off	Replace	\$559,000
												\$9,484,954

**Grand Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
20	6784	B01-54-03-16	Grand	Big Rapids, City of	Baldwin Street	Muskegon River	102604	2010	no	On	Replace	\$2,550,000
21	5186	B01-41-25-22	Grand	Grand Rapids, City of	Pearl Street	Grand River	102574	2010	no	On	PM	\$230,700
22	7661	B01-61-14-23	Grand	Muskegon County	Moorland Road	Crockery Creek	102627	2010	no	Off	PM	\$210,000
23	7677	B01-61-08-15	Grand	Muskegon County	Schow Road	Skeels Creek	102628	2010	no	Off	Replace	\$375,000
24	7744	B01-62-09-27	Grand	Newaygo County	Green Avenue	White River	102629	2010	no	On	Replace	\$842,000
25	13226	B01-62-14-26	Grand	Newaygo County	136th Street	Rouge River	102631	2010	no	Off	Replace	\$390,000
26	8837	B01-70-14-21	Grand	Ottawa County	16th Avenue	Sand Creek	102642	2010	no	On	Rehab	\$536,000
												\$5,133,700



**Metro Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
27	6187	B02-50-14-28	Metro	Macomb County	14 Mile Road	Big Beaver Creek	102578	2010	no	On	Rehab	\$659,760
28	6190	B01-50-04-21	Metro	Macomb County	Moravian Drive	Clinton River	102579	2010	no	On	Replace	\$2,780,000
29	6218	B02-50-03-20	Metro	Macomb County	26 Mile Road	Deer Creek	102598	2010	no	On	Replace	\$657,000
30	8192	B02-63-02-24	Metro	Oakland County	Tienken Road	Stony Creek	102636	2010	no	On	Replace	\$1,260,000
31	8184	B01-63-02-10	Metro	Oakland County	Parkdale Road	Stony Creek	102634	2010	no	On	Replace	\$1,308,000
32	10074	B01-77-13-24	Metro	St. Clair County	Norman Road	Black River	102648	2010	no	Off	PM	\$282,000
33	10039	B01-77-10-20	Metro	St. Clair County	Meisner Road	Belle River	102647	2010	no	On	Rehab	\$1,198,000
34	10112	B01-77-12-01	Metro	St. Clair County	Lakeshore Drive	Carrigan Drain	102653	2010	no	On	Replace	\$673,000
35	10171	B01-77-13-13	Metro	St. Clair County	Kilburn Road	Plum Creek	102654	2010	no	Off	Replace	\$565,000
												\$9,382,760

**North Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
36	1552	B02-16-16-16	North	Cheboygan County	Webb Road	Pigeon River	102384	2010	no	Off	Replace	\$370,000
37	6677	B01-53-08-22	North	Mason County	Hawley Road	S. Br. Pere Marquette River	102603	2010	no	Off	Replace	\$391,100
38	6672	B01-53-05-21	North	Mason County	Darr Road	Big Sable River	102602	2010	no	Off	Replace	\$488,300
39	7052	B01-57-03-13	North	Missaukee County	McVety Road	Butterfield Creek	102624	2010	no	Off	Replace	\$448,800
40	13254	B01-67-13-20	North	Oceola County	Twin Creek Road	Hersey Creek	102641	2010	no	Off	Replace	\$500,000
												\$2,198,200

**Southwest Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
41	197	B01 of 03-18-17	Southwest	Allegan County	38th Street	Rabbit River	102275	2010	no	On	PM	\$269,000
42	199	B01 of 03-21-22	Southwest	Allegan County	26th Street	Kalamazoo River	102276	2010	no	On	PM	\$254,000
43	194	B01 of 03-14-23	Southwest	Allegan County	58th Street	Kalamazoo River	102274	2010	no	On	Rehab	\$410,000
44	13101	B01 of 11-11-13	Southwest	Berrien County	Date Road	Keelo Creek	102361	2010	no	Off	Replace	\$420,000
45	1112	B01 of 12-07-20	Southwest	Branch County	Garfield Road	Coldwater River	102381	2010	no	On	PM	\$50,000
46	1113	B01 of 12-07-28	Southwest	Branch County	Narrows Road	Coldwater River	102382	2010	no	On	Replace	\$861,000
47	4636	B01 of 39-02-21	Southwest	Kalamazoo County	Twenty-Fourth Street	Portage Creek	102572	2010	no	On	Rehab	\$842,037
48	10803	X01 of 80-02-20	Southwest	Mattawan, Village of	Main Street Overpass	Amtrak Railroad	102686	2010	no	On	Rehab	\$135,000
49	10325	B01 of 78-02-26	Southwest	St. Joseph County	Stowell Road	St. Joseph River	102662	2010	no	Off	Replace	\$1,135,400
50	10290	B01 of 78-03-12	Southwest	St. Joseph County	North River Road	Black Run River	102661	2010	no	Off	Replace	\$300,000
51	10774	B01 of 80-11-33	Southwest	Van Buren County	Pinery Road	Paw Paw River	102684	2010	no	Off	Rehab	\$442,950
52	10775	B01 of 80-11-11	Southwest	Van Buren County	59 1/2 Street	Paw Paw River	102685	2010	no	Off	Rehab	\$424,500
53	10739	B01 of 80-09-22	Southwest	Van Buren County	CR 380, 20th Avenue	S.Br.Black River	102683	2010	no	Off	Replace	\$897,985
												\$6,441,872

**Superior Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
54	12757	B01 of 07-01-36	Superior	Baraga County	Witz Road	Trib to Lake Superior	102359	2010	no	Off	Replace	\$450,000
55	510	B01 of 07-03-13	Superior	Baraga County	Plains Road	Sturgeon River	102358	2010	no	On	PM	\$200,000
56	6521	B01 of 52-06-22	Superior	Ishpeming, City of	Old M-28 Br (Greenwood)	Carp River Channel	102599	2010	no	On	Replace	\$586,000
57	5985	B01 of 49-11-02	Superior	Mackinac County	Mackinac Trail FH41	Carp River	102577	2010	no	On	Replace	\$753,000
58	6593	B01 of 52-07-21	Superior	Marquette County	County Rd HD	Dead River	102601	2010	no	Off	Rehab	\$1,560,000
59	6843	B01 of 55-13-29	Superior	Menominee County	M-2 Road	Hays River	102608	2010	no	Off	Replace	\$400,000
60	6842	B01 of 55-13-21	Superior	Menominee County	O-3 Road	Little Cedar River	102607	2010	no	Off	Replace	\$400,000
61	6841	B01 of 55-13-28	Superior	Menominee County	26 Mile Road	Little Cedar River	102605	2010	no	Off	Replace	\$400,000
62	9710	B01 of 75-02-14	Superior	Schoolcraft County	County Road 436	Bear Creek	102645	2010	no	Off	Replace	\$474,000
												\$5,223,000

**University Region**  
(As of November 2007)

2010

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
63	1957	B01-19-03-17	University	Clinton County	County Farm Road	Spaulding Extension	102512	2010	no	On	Replace	\$450,000
64	2442	B01-23-08-20	University	Eaton Rapids, City of	East Knight Street	Grand River	102515	2010	no	Off	PM	\$131,000
65	3882	B01-33-10-29	University	Ingham County	Dobie Road	Red Cedar River	102527	2010	no	Off	Replace	\$1,570,000
66	4495	B01-38-13-21	University	Jackson County	Churchill Road	Grand River	102536	2010	no	On	Replace	\$1,125,000
67	4536	B01-38-17-48	University	Jackson, City of	East High Street	Grand River	102571	2010	no	Off	PM	\$210,000
68	3952	B01-33-06-19	University	Lansing, City of	Pennsylvania Avenue	Red Cedar River	102529	2010	no	Off	PM	\$650,000
69	3937	B01-33-06-05	University	Lansing, City of	Kalamazoo Street	Grand River	102528	2010	no	Off	PM	\$200,000
70	5838	B01-47-07-21	University	Livingston County	Hamburg Road	Huron River	102575	2010	no	Off	Rehab	\$477,000
71	5859	B01-47-04-04	University	Livingston County	Latson Road	Yellow River Drain	102576	2010	no	On	Replace	\$725,000
72	7249	B01-58-04-11	University	Monroe County	Dennison Road	N. Dr. Mid. Br. Macon River	102625	2010	no	On	Replace	\$610,500
73	7295	B01-58-01-24	University	Monroe County	Carleton Rockwood Road	Swan Creek	102626	2010	no	Off	Replace	\$1,050,000
74	11088	B01-81-20-31	University	Ypsilanti, City of	Factory Street	Huron River	102687	2010	no	On	PM	\$567,000
												\$7,765,500

**Bay Region**  
(As of November 2008)

[illegible][illegible][illegible]

**North Region**  
(As of November 2008)

	Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Job Number	Funding Fiscal Year	Funding Capped?	On/Off System	PM/Rehab Replace	Local Agency Estimate
23	372	B01 of 05-07-20	North	Village of Bellaire	Cayuga St	Intermediate River		2011	no	on	PM	\$121,000
24	8606	B01 of 67-05-20	North	Osceola County	Hersey Road	Muskegon River		2011	no	on	Rehab	\$145,000
25	8629	B01 of 67-07-15	North	Osceola County	220th Ave	Big Beaver Creek		2011	no	on	Replace	\$460,000 \$726,000

## 2011

[illegible]

## 2011

[illegible]

**University Region**  
(As of November 2008)

38	7300	B01 of 58-15-30	University	Monroe County	Raisinville Road	River Raisin	2011	no	on	PM	\$1,462,000
39	9796	B01 of 76-11-22	University	Shiawassee Cnty	Juddville Road	Shiawassee River	2011	no	on	Replace	\$1,840,000
40	2019	B02 of 19-15-20	University	Clinton County	Herbison Road	Looking Glass River	2011	no	off	Replace	\$1,000,000
41	4485	B01 of 38-13-24	University	Jackson County	Berry Road	Grand River	2011	no	on	Replace	\$950,000
42	3287	B01 of 30-12-22	University	Hillsdale County	Camden Road	Laird Creek	2011	no	on	Replace	\$570,000
43	1991	B02 of 19-08-27	University	Clinton County	Anderson Road	Hayworth Creek	2011	no	off	Replace	\$450,000

**Local Bridge Data**  
(based on data supplied to Local Agency Programs April 2005)

Fiscal Years 2008 Actual Allotment:			
		FY 2008	Total
State Funds:		\$29,618,400	\$29,618,400
Federal On-System		\$0	\$0
Federal Off-System		\$15,809,988	\$15,809,988
Subtotal		\$45,428,388	\$45,428,388
Large Bridge 10%		\$4,542,839	\$4,542,839
Total FY 2007/2008 Standard Application Funds			\$40,885,549

Region	Number of Bridge Factor 30%	Total Deck Area Factor 30%	Structurally Deficient Deck Area Factor 40%	Regional Percentage	FY 2008 Funding	FY 2008 Funds /95% = Construction
Bay	7.38%	6.96%	8.55%	22.89%	\$9,358,449	\$9,850,999
Grand	3.57%	3.87%	3.40%	10.83%	\$4,429,731	\$4,662,875
Metro	4.53%	6.59%	8.43%	19.55%	\$7,994,080	\$8,414,821
North	2.24%	1.83%	2.97%	7.03%	\$2,874,390	\$3,025,674
Southwest	3.76%	3.64%	5.23%	12.63%	\$5,164,253	\$5,436,056
Superior	2.81%	2.00%	2.99%	7.80%	\$3,187,436	\$3,355,195
University	5.72%	5.12%	8.43%	19.27%	\$7,877,210	\$8,291,800
Totals	30.00%	30.00%	40.00%	100.00%	\$40,885,549	\$43,037,420

Region	Number of Local Bridges	% Total Number Local Bridges	Weighted % 30%	Local Deck Area (sq. ft.)	% Total Local Deck Area	Weighted % 30%	Structural Deficient Deck Area (sq. ft.)	% Total Structural Deficient Deck Area (sq. ft.)	Weighted % 40%	Total Weighted Funding Percent
Bay	1,570	24.60%	7.38%	3,770,558	23.20%	6.96%	410580	21.38%	8.55%	22.89%
Grand	759	11.89%	3.57%	2,095,585	12.89%	3.87%	163215	8.50%	3.40%	10.83%
Metro	964	15.10%	4.53%	3,568,879	21.96%	6.59%	404982	21.08%	8.43%	19.55%
North	476	7.46%	2.24%	989,719	6.09%	1.83%	142435	7.42%	2.97%	7.03%
Southwest	801	12.55%	3.76%	1,969,454	12.12%	3.64%	251183	13.08%	5.23%	12.63%
Superior	597	9.35%	2.81%	1,084,330	6.67%	2.00%	143507	7.47%	2.99%	7.80%
University	1,216	19.05%	5.72%	2,773,934	17.07%	5.12%	404844	21.08%	8.43%	19.27%
Totals	6,383	100.00%	30.00%	16,252,459	100.00%	30.00%	1,920,746	100.00%	40.00%	100.00%

**Local Bridge Data**  
(based on data supplied to Local Agency Programs April 2005)

Fiscal Years 2007/2008 Anticipated Allotment:			
	FY 2007	FY 2008	Total
State Funds:	\$30,000,000	\$30,000,000	\$60,000,000
Federal On-System	\$0	\$0	\$0
Federal Off-System	\$15,100,000	\$15,100,000	\$30,200,000
Subtotal	\$45,100,000	\$45,100,000	\$90,200,000
Large Bridge 10%	\$4,510,000	\$4,510,000	\$9,020,000
Total FY 2007/2008 Standard Application Funds			\$81,180,000

Region	Number of Bridge Factor 30%	Total Deck Area Factor 30%	Structurally Deficient Deck Area Factor 40%	Regional Percentage	FY 2007/2008 Funding	Per Year Allocation
Bay	7.38%	6.96%	8.55%	22.89%	\$18,581,599	\$9,290,799
Grand	3.57%	3.87%	3.40%	10.83%	\$8,795,420	\$4,397,710
Metro	4.53%	6.59%	8.43%	19.55%	\$15,872,586	\$7,936,293
North	2.24%	1.83%	2.97%	7.03%	\$5,707,224	\$2,853,612
Southwest	3.76%	3.64%	5.23%	12.63%	\$10,253,845	\$5,126,923
Superior	2.81%	2.00%	2.99%	7.80%	\$6,328,789	\$3,164,395
University	5.72%	5.12%	8.43%	19.27%	\$15,640,536	\$7,820,268
Totals	30.00%	30.00%	40.00%	100.00%	\$81,180,000	\$40,590,000

Region	Number of Local Bridges	% Total Number Local Bridges	Weighted % 30%	Local Deck Area (sq. ft.)	% Total Local Deck Area	Weighted % 30%	Structural Deficient Deck Area (sq. ft.)	% Total Structural Deficient Deck Area (sq. ft.)	Weighted % 40%	Total Weighted Funding Percent
Bay	1,570	24.60%	7.38%	3,770,558	23.20%	6.96%	410580	21.38%	8.55%	22.89%
Grand	759	11.89%	3.57%	2,095,585	12.89%	3.87%	163215	8.50%	3.40%	10.83%
Metro	964	15.10%	4.53%	3,568,879	21.96%	6.59%	404982	21.08%	8.43%	19.55%
North	476	7.46%	2.24%	989,719	6.09%	1.83%	142435	7.42%	2.97%	7.03%
Southwest	801	12.55%	3.76%	1,969,454	12.12%	3.64%	251183	13.08%	5.23%	12.63%
Superior	597	9.35%	2.81%	1,084,330	6.67%	2.00%	143507	7.47%	2.99%	7.80%
University	1,216	19.05%	5.72%	2,773,934	17.07%	5.12%	404844	21.08%	8.43%	19.27%
Totals	6,383	100.00%	30.00%	16,252,459	100.00%	30.00%	1,920,746	100.00%	40.00%	100.00%

Attachment C

Large Bridge Projects									
Structure Number	Bridge Number	Region	Owner	Roadway	Crossing	Funding Year	System	On / Off	Let Date
6273	B01 of 50-06-25	Metro	Macomb County	Bridgeview Road	Clinton River	2008	On	1/9/2009	
4642	B01 of 39-05-25	Southwest	Kalamazoo County	35th Street	Kalamazoo River	2008	On	2/1/2008	
10108	B01 of 77-17-23	Metro	St. Clair County	Wadhams Road	Black River	2009	On		
6470	B01 of 51-06-23	North	Manistee, City of	Maple Street	Manistee River	2009	On		
6784	B01 of 54-03-16	Grand	Big Rapids, City of	Baldwin Street	Muskegon River	2010	On		
6593	B01 of 52-07-21	Superior	Marquette County	County Road HD	Dead River	2010	Off		
9269	B02 of 76-06-01	Bay	Saginaw County	Dixie Highway	Cass River	2011	On		
317	B01 of 03-20-03	Southwest	Douglas/Saugatuck	Blue Star Highway	Kalamazoo River	2011	On		



Attachment D

Local Bridge Data  
(based on data supplied to Local Agency Programs April 2008)

Fiscal Year 2011 Anticipated Allotment: (per planning projections 10/15/2008)			
		FY 2011	Total
State Funds:		\$28,336,800	\$28,336,800
Federal On-System		\$0	\$0
Federal Off-System		\$15,947,000	\$15,947,000
Subtotal		\$44,283,800	\$44,283,800
Large Bridge 15%		\$6,642,570	\$6,642,570
Total FY 2011 Standard Application Funds			\$37,641,230

Region	Number of Bridge Factor 30%	Total Deck Area Factor 30%	Structurally Deficient Deck Area Factor 40%	Regional Percentage	FY 2011 Funding	FY 2011 Funds / 95% = Construction Costs
Bay	7.42%	6.84%	6.59%	20.85%	\$7,848,616	\$8,261,702
Grand	3.56%	3.85%	3.70%	11.12%	\$4,184,750	\$4,405,000
Metro	4.53%	6.65%	11.88%	23.07%	\$8,682,022	\$9,138,971
North	2.24%	1.85%	2.14%	6.23%	\$2,343,365	\$2,466,700
Southwest	3.74%	3.66%	5.00%	12.41%	\$4,671,062	\$4,916,907
Superior	2.80%	2.03%	3.25%	8.07%	\$3,038,763	\$3,198,698
University	5.70%	5.11%	7.44%	18.26%	\$6,872,653	\$7,234,371
Totals	30.00%	30.00%	40.00%	100.00%	\$37,641,230	\$39,622,347

Region	Number of Local Bridges	% Total Number Local Bridges	Weighted % 30%	Local Deck Area (sq. ft.)	% Total Local Deck Area	Weighted % 30%	Structural Deficient Deck Area (sq. ft.)	% Total Structural Deficient Deck Area (sq. ft.)	Weighted % 40%	Total Weighted Funding Percent
Bay	1,604	24.74%	7.42%	3,767,336	22.81%	6.84%	364493	16.47%	6.59%	20.85%
Grand	770	11.88%	3.56%	2,121,849	12.84%	3.85%	204787	9.25%	3.70%	11.12%
Metro	980	15.11%	4.53%	3,663,928	22.18%	6.65%	657104	29.69%	11.88%	23.07%
North	484	7.46%	2.24%	1,018,357	6.16%	1.85%	118219	5.34%	2.14%	6.23%
Southwest	809	12.48%	3.74%	2,016,989	12.21%	3.66%	276817	12.51%	5.00%	12.41%
Superior	605	9.33%	2.80%	1,115,301	6.75%	2.03%	179715	8.12%	3.25%	8.07%
University	1,232	19.00%	5.70%	2,815,965	17.05%	5.11%	411854	18.61%	7.44%	18.26%
Totals	6,484	100.00%	30.00%	16,519,725	100.00%	30.00%	2,212,989	100.00%	40.00%	100.00%

BAY REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	7.42%
b) Total Bridge Deck Area Ratio:	6.84%
c) Structural Deficient Deck Area Ratio:	6.59%
	<u>20.85%</u>
2) Total State and Federal Funding Available to Regions (Anticipated):	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation)	\$39,622,347
4) Bay Region's Funding	
a) Bay Region's 2011 Allocation:	\$8,261,702
b) Large Bridge Allocation by Local Bridge Advisory Board:	\$3,500,000
Allocation to Bay Region Before Adjustments:	<u>\$11,761,702</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference:	-\$5,118,328
(Negative: Low Bid Totals Exceeded Programmed Costs)	
(Positive: Low Bid Totals Were Below Program Costs)	
	<u>\$6,643,374</u>
5) Bridge Projects Selected for Funding in FY 2011: 5 Total Projects	
a) Preventive Maintenance:	
1. 2 Projects	
2. Total Estimate Cost:	\$994,000
b) Rehabilitation:	
1. 1 Project	
2. Total Estimate Cost:	\$800,000
c) Replacement:	
1. 2 Projects (includes 1 "large" bridge project)	
2. Total Estimate Cost:	\$5,250,000
d) Contingency Amount for Low Bid Exceeding Estimates:	-\$400,626
	<u>\$6,643,374</u>

GRAND REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	3.56%
b) Total Bridge Deck Area Ratio:	3.85%
c) Structural Deficient Deck Area Ratio:	3.70%
	<u>11.12%</u>
2) Total State and Federal Funding Available to Regions (Anticipated): *	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation) *	\$39,622,347
4) Grand Region's Funding	
a) Grand Region's 2011 Allocation:	\$4,405,000
b) Large Bridge Allocation by Local Bridge Advisory Board: *	\$0
Allocation to Bay Region Before Adjustments:	<u>\$4,405,000</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference: **	-\$1,261,988
(Negative: Low Bid Totals Exceeded Programmed Costs)	
(Positive: Low Bid Totals Were Below Program Costs)	
	<u>\$3,143,012</u>
5) Bridge Projects Selected for Funding in FY 2011: 6 Total Projects	
a) Preventive Maintenance:	
1. 3 Projects	
2. Total Estimate Cost:	\$276,801
b) Rehabilitation:	
1. 1 Projects	
2. Total Estimate Cost:	\$1,890,871
c) Replacement:	
1. 2 Projects	
2. Total Estimate Cost:	\$1,245,052
d) Contingency Amount for Low Bid Exceeding Estimates:	-\$269,712
	<u>\$3,143,012</u>

\* Based on updated projections from MDOT's planning area, dated 10/15/2008

\*\* Based on MDOT's planning projection, dated 9/9/2008  
(The Grand RBC meeting was held on 10/7/2008  
therefore, the RBC meeting minutes differ slightly)

METRO REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	4.53%
b) Total Bridge Deck Area Ratio:	6.65%
c) Structural Defficient Deck Area Ratio:	11.88%
	<u>23.07%</u>
2) Total State and Federal Funding Available to Regions (Anticipated): *	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation) *	\$39,622,347
4) Metro Region's Funding	
a) Metro Region's 2011 Allocation:	\$9,138,971
b) Large Bridge Allocation by Local Bridge Advisory Board: *	\$0
Allocation to Metro Region Before Adjustments:	<u>\$9,138,971</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference: **	-\$4,222,580
(Negative: Low Bid Totals Exceeded Programmed Costs)	
(Positive: Low Bid Totals Were Below Program Costs)	
	<u>\$4,916,391</u>
5) Bridge Projects Selected for Funding in FY 2011: 10 Total Projects	
a) Preventive Maintenance:	
1. 4 Projects	
2. Total Estimate Cost:	\$532,000
b) Rehabilitation:	
1. 1 Project	
2. Total Estimate Cost:	\$706,000
c) Replacement:	
1. 5 Projects	
2. Total Estimate Cost:	\$3,896,000
d) Contingency Amount for Low Bid Exceeding Estimates:	-\$217,609
	<u>\$4,916,391</u>

\* Based on updated projections from MDOT's planning area, dated 10/15/2008

\*\* Based on MDOT's planning projection, dated 9/9/2008  
(The Metro RBC meeting was held on 10/13/2008  
therefore, the RBC meeting minutes differ slightly)

NORTH REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	2.24%
b) Total Bridge Deck Area Ratio:	1.85%
c) Structural Defficient Deck Area Ratio:	2.14%
	<u>6.23%</u>
2) Total State and Federal Funding Available to Regions (Anticipated):	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation)	\$39,622,347
4) North Region's Funding	
a) North Region's 2011 Allocation:	\$2,466,700
b) Large Bridge Allocation by Local Bridge Advisory Board: *	\$500,000
Allocation to Bay Region Before Adjustments:	<u>\$2,966,700</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference: (Negative: Low Bid Totals Exceeded Programmed Costs) (Positive: Low Bid Totals Were Below Program Costs)	<u>-\$2,375,557</u>
	<u>\$591,143</u>
5) Bridge Projects Selected for Funding in FY 2011: 3 Total Projects	
a) Preventive Maintenance:	
1. 1 Project	
2. Total Estimate Cost:	\$121,000
b) Rehabilitation:	
1. 1 Project	
2. Total Estimate Cost:	\$145,000
c) Replacement:	
1. 1 Project	
2. Total Estimate Cost:	\$460,000
d) Contingency Amount for Low Bid Exceeding Estimates:	<u>-\$134,857</u>
	<u>\$591,143</u>

\* The LBAB applied \$500,000 toward the Cheboygan county's Old 27 over Indian River bridge due to the updated cost estimate moving it into the "large" bridge category.

SOUTHWEST REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	3.74%
b) Total Bridge Deck Area Ratio:	3.66%
c) Structural Deficient Deck Area Ratio:	5.00%
	<u>12.41%</u>
2) Total State and Federal Funding Available to Regions (Anticipated): *	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation) *	\$39,622,347
4) Southwest Region's Funding	
a) Southwest Region's 2011 Allocation:	\$4,916,907
b) Large Bridge Allocation by Local Bridge Advisory Board: *	\$2,500,000
Allocation to Bay Region Before Adjustments:	<u>\$7,416,907</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference: **	-\$2,208,529
(Negative: Low Bid Totals Exceeded Programmed Costs)	
(Positive: Low Bid Totals Were Below Program Costs)	
	<u>\$5,208,378</u>
5) Bridge Projects Selected for Funding in FY 2011: 4 Total Projects	
a) Preventive Maintenance:	
1. 1 Project	
2. Total Estimate Cost:	\$567,000
b) Rehabilitation:	
1. 2 Projects	
2. Total Estimate Cost:	\$3,917,000
c) Replacement:	
1. 1 Project	
2. Total Estimate Cost:	\$935,374
d) Contingency Amount for Low Bid Exceeding Estimates:	-\$210,996
	<u>\$5,208,378</u>

\* Based on updated projections from MDOT's planning area, dated 10/15/2008

\*\* Based on MDOT's planning projection, dated 9/9/2008  
(The Southwest RBC meeting was held on 10/14/2008  
therefore, the RBC meeting minutes differ slightly)

SUPERIOR REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	2.80%
b) Total Bridge Deck Area Ratio:	2.03%
c) Structural Defficient Deck Area Ratio:	3.25%
	<u>8.07%</u>
2) Total State and Federal Funding Available to Regions (Anticipated): *	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation) *	\$39,622,347
4) Superior Region's Funding	
a) Superior Region's 2011 Allocation:	\$3,198,698
b) Large Bridge Allocation by Local Bridge Advisory Board: *	\$0
Allocation to Bay Region Before Adjustments:	<u>\$3,198,698</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference: **	-\$454,224
(Negative: Low Bid Totals Exceeded Programmed Costs)	
(Positive: Low Bid Totals Were Below Program Costs)	
	<u>\$2,744,474</u>
5) Bridge Projects Selected for Funding in FY 2011: 7 Total Projects	
a) Preventive Maintenance:	
1. 1 Project	
2. Total Estimate Cost:	\$340,000
b) Rehabilitation:	
1. 2 Projects	
2. Total Estimate Cost:	\$387,500
c) Replacement:	
1. 4 Projects	
2. Total Estimate Cost:	\$2,508,000
d) Contingency Amount for Low Bid Exceeding Estimates:	-\$491,026
	<u>\$2,744,474</u>

\* Based on updated projections from MDOT's planning area, dated 10/15/2008

\*\* Based on MDOT's planning projection, dated 9/9/2008  
(The Superior RBC meeting was held on 10/3/2008  
therefore, the RBC meeting minutes differ slightly)

UNIVERSITY REGION  
FY 2011

1) Allocation Percentage	
a) Number of Bridges Ratio:	5.70%
b) Total Bridge Deck Area Ratio:	5.11%
c) Structural Defficient Deck Area Ratio:	7.44%
	<u>18.26%</u>
2) Total State and Federal Funding Available to Regions (Anticipated): *	\$37,641,230
3) Total Construction Dollars (\$37,641,230 / 95% Participation) *	\$39,622,347
4) University Region's Funding	
a) University Region's 2011 Allocation:	\$7,234,371
b) Large Bridge Allocation by Local Bridge Advisory Board: *	\$0
Allocation to Bay Region Before Adjustments:	<u>\$7,234,371</u>
c) Adjustment for FY 2008 Low Bid / Programmed Cost Difference: **	-\$1,694,167
(Negative: Low Bid Totals Exceeded Programmed Costs)	
(Positive: Low Bid Totals Were Below Program Costs)	
	<u>\$5,540,204</u>
5) Bridge Projects Selected for Funding in FY 2011: 6 Total Projects	
a) Preventive Maintenance:	
1. 1 Project	
2. Total Estimate Cost:	\$1,462,000
b) Rehabilitation:	
1. 0 Projects	
2. Total Estimate Cost:	\$0
c) Replacement:	
1. 5 Projects	
2. Total Estimate Cost:	\$4,810,000
d) Contingency Amount for Low Bid Exceeding Estimates:	-\$731,796
	<u>\$5,540,204</u>

\* Based on updated projections from MDOT's planning area, dated 10/15/2008

\*\* Based on MDOT's planning projection, dated 9/9/2008  
(The University RBC meeting was held on 10/8/2008  
therefore, the RBC meeting minutes differ slightly)